

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: **John Shanklin, et al.**

Application No.: **10/822,370** Examiner: **T. Saidha**

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Title: **MUTANT FATTY ACID DESATURASE AND METHODS
FOR DIRECTED MUTAGENESIS**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

Sir:

This Amendment is filed in response to the Office Action mailed from the Patent Office on October 26, 2006.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 9 of this paper.